

Name: \_\_\_\_\_

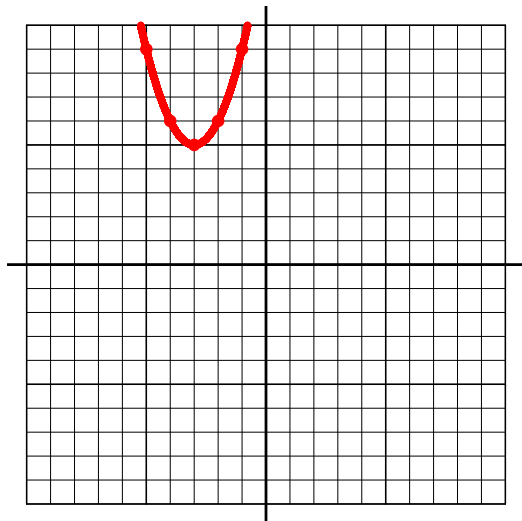
Date: \_\_\_\_\_

## PCW\_09\_29 SOLUTION: Graph Parent Translations (version 5)

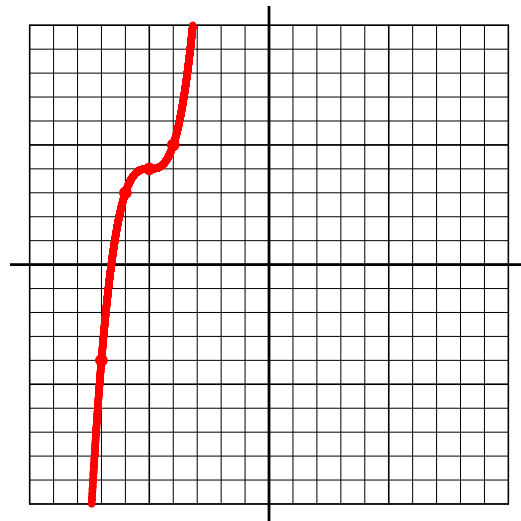
Graph each equation. Let the  $y$  axis be vertical and the  $x$  axis be horizontal. Also, let both axes be at unit scale, so each goes from  $-10$  to  $10$ .

Clearly mark every solution where  $x$  and  $y$  are both integers with a small dot along the curve.

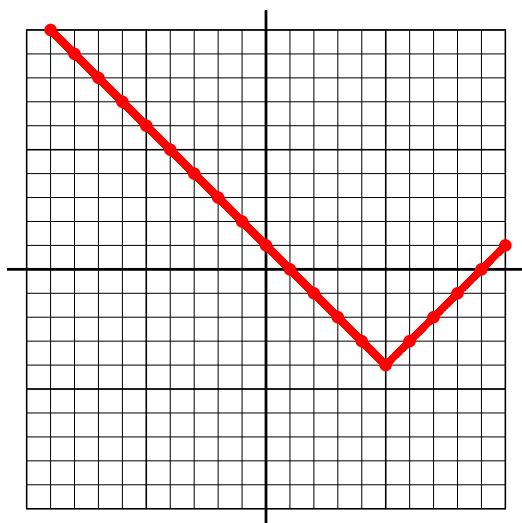
$$y = (x+3)^2 + 5$$



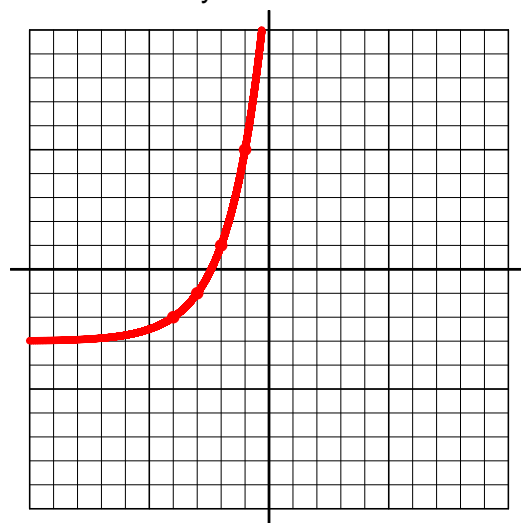
$$y = (x+5)^3 + 4$$



$$y = |x-5| - 4$$



$$y = 2^{x+4} - 3$$



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